



BMA BIOMEDICALS

Monoclonal Antibody To Human Cadherin E

Liver Cell Adhesion Molecule L-CAM

E-Cadherin, also called L-CAM (Liver Cell Adhesion Molecule) is an epithelial cell adhesion molecule and plays an important role in the formation of cell-cell contacts in epithelia irrespective of their origin as ecto-, meso- or endodermal tissue. This early adhesion event between epithelial cells is a prerequisite for the assembly of all elements of the junctional complex and is as such important in maintaining epithelial integrity.

Over 90% of malignancies are carcinomas. One of the prerequisites for the release of carcinoma cells from the primary site might be a defect in intercellular adhesion mediated by the absence of E-cadherin expression.

Therefore, the expression of E-cadherin might be an important parameter for the determination of the invasive potential of epithelial neoplasms, and for the transition of a benign to a malignant neoplasm.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1338 (Lot 02PO0505)
Clone:	67A4.2.1
Host species, isotype:	Mouse IgG1
Quantity:	200µg
Format:	Affinity purified, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% sodium azide as a preservative. For best results, dilute in TBS or another phosphate-free buffer containing 10mM Ca ²⁺ .
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC). Approximate working dilution for IHC: Frozen sections: 4-8µg/ml (1:50 - 1:100) Paraffin sections: does not react on routinely processed paraffin sections.

Optimal dilutions should be determined by the end user

Suggested positive control: Human tonsil

Please see **www.bma.ch** for protocols and general information

Immunogen:

Breast carcinoma cell line T47D

Protein database:

human-P12830, human-P32004

For in vitro research only. This product contains sodium azide as a preservative.